

A METHOD AND SYSTEM FOR DETERMINING WEIGHT AND POSITION OF A VEHICLE SEAT OCCUPANT

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Abstract

10 A method and system for determining weight and/or position of a
vehicle seat occupant to be used for controlling the reaction of a safety restraint
system. A plurality of spaced weight sensors are disposed between a seating
15 surface and seat mounting surface to provide output signals indicative of an
applied weight on each sensor. The sensors are spaced such that the sensors
measure the weight applied to a seat back and the seating surface. A
controller calculates the weight and/or position of the seat occupant in response
to the output signals of the sensors. The controller sends the weight and
position of the seat occupant to the safety restraint system to be used to tailor
or suppress the reaction of the safety restraint system.